METHODS FOR IMPLEMENTING AN ETHERNET STORAGE PROTOCOL IN COMPUTER NETWORKS

5 ## ABSTRACT OF THE DISCLOSURE

A method for processing storage data that is to be communicated over a network is provided. Initially, storage data to be transmitted over a network is provided. Once the data is provided, the method includes serializing the storage data using storage

10 encapsulation protocol headers to generate serialized storage data. Then, the serialized storage data is encapsulated using a simple transport protocol to generate simple transport protocol data segments of the storage data. At this point, each of the simple transport protocol data segments are encapsulated into Ethernet frames. The Ethernet frames can then be communicated over standard Ethernet hubs and switches to enable

15 communication to a selected storage target. In one example, the storage data is provided in the form of SCSI data, ATAPI data, and the like. This data can then be communicated to any storage target that may be connected to the network that is capable of processing the storage data.

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